

Subject card

Subject name and code	Criminal Biology - auditorium classes, PG_00134456						
Field of study	Criminology and Criminal Justice						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		English		
Semester of study	1		ECTS credits		3.0		
Learning profile	academic		Assessment form				
Conducting unit	Laboratory of Neurobiology -> Department of Animal and Human Physiology -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Wojciech Glac				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	10.0	0.0	0.0	0.0	10
	E-learning hours included: 0.0						
	Additional information: The course is conducted in a gamified system (the structure and actions are based on game mechanics, elements and plot), in which the student, by systematically performing various types of tasks and obtaining points as a result, makes progress in the game, which, in accordance with the given criteria, gives the possibility of obtaining a specific final grade (without having to participate in an exam or colloquium).						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	10		0.0		65.0	75
Subject objectives	- develop the ability to formulate conclusions regarding susceptibility to criminal behavior based on the analysis of neurobiological and social factors - develop the ability to analyze neurobiological features and data on brain anatomy and functioning in order to assess the basis of criminal behavior and susceptibility to criminal behavior						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[CCJL3_K02] is prepared to actively participate in groups, social or legal projects, organisations and institutions related to criminology in its broadest sense and to the administration of justice, while being able to communicate with both specialists and non-specialists in criminology	Is able to apply knowledge of criminal biology to interpret the causes of criminal behavior and evaluate an individual's vulnerability to such behavior based on biological characteristics and social context.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[CCJL3_UW01] is able to use his knowledge of criminology and related scientific disciplines to formulate and interpret basic problems associated with criminology, as well as with the functioning of the national and international justice system, observes and interprets phenomena universal for different societies in the field of etiology and phenomenology of crime	Is able to apply knowledge of criminal biology to interpret the causes of criminal behavior and to assess an individual's vulnerability to criminal behavior based on their biological traits and social environment.	[SU5] implementation of a problem task
	[CCJL3_WG05] has a basic knowledge of man, in particular, as a subject constituting social structures and the principles of their functioning, as well as a subject acting in these structures	Demonstrates knowledge of human neurobiology and the neurobiological basis of behavior, including social behavior.	[SW3] text preparation/written work
	[CCJL3_WG02] Has an enhanced knowledge of facts and concepts and the relationship between selected natural phenomena, social phenomena and in the sphere of the products of human thought, especially in the perspective of legal conditions related to the problems of criminal acts, as well as the etiology and phenomenology of crime, and on key social and psychological phenomena relevant in the context of the studied direction.	Demonstrates advanced knowledge of the interaction between biological and social factors in shaping vulnerability to antisocial and criminal behavior.	[SW3] text preparation/written work
Subject contents	- theories about the causes of crime - the role of genes and environment in the development of crime - human behavior and its regulation, emotions, motivation, drive reactions, free will, learning and conditioning - brain mechanisms influencing susceptibility to antisocial and criminal behavior and their inter-individual variability - brain mechanisms leading to antisocial and criminal behavior carried out in the so-called with passion and premeditation - the impact of mental disorders and personality disorders on the tendency to commit criminal behavior - biological differences between women and men and their impact on the tendency to engage in criminal behavior		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	discussions	51.0%	20.0%
	problem-based task	51.0%	40.0%
	elaborations	51.0%	40.0%
Recommended reading	Basic literature	- Alison Liebling, Shadd Maruna, Lesley McAra. The Oxford Handbook of Criminology. Oxford University Press, 2017 - David C. Rowe. Biology and Crime. Roxbury Pub Co., 2001	
	Supplementary literature	- Nicole Rafter. The Criminal Brain: Understanding Biological Theories of Crime. NYU Press, 2008 - Adrian Raine. The Anatomy of Violence: The Biological Roots of Crime. Vintage, 2014	
	eResources addresses	Adresy na platformie eNauczanie:	

Example issues/ example questions/ tasks being completed	elaborations - create a mind map illustrating various sociological factors that predispose to crime problem-based task (case study) - based on the described story, indicate and justify what biological and social factors predisposed the perpetrator to the crime and indicate what interventions should be taken to prevent the crime discussion - topic: whether specific biological predispositions should be treated as factors influencing the sentence
Work placement	Not applicable

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